



**Date:** 3/9/20

**Performed by:** Andrew Tinklenberg

**Location:** Davis Center

**RE:** Radon Testing

## INTRODUCTION

From November 14, 2019 – February 13, 2020, long-term radon testing was performed within the Davis Center. The testing was performed in frequently-occupied ground contact rooms and rooms immediately above unoccupied spaces (crawl spaces and tunnels) that are in contact with the ground per the Environmental Protection Agency (EPA) and Minnesota Department of Health (MDH) guidelines.

## SUMMARY OF FINDINGS

After initial and follow-up testing, all tested areas in the Davis Center were found to have radon gas levels below 4.0 pCi/L, which is the EPA and MDH action level.

Of the twenty-six (26) areas that were tested, three (3) of the testing devices placed in Office L1-301, Office N1-113 and cafeteria S1-444 were lost/removed and could not be submitted for analysis, twenty-two (22) were found to be below 4.0 pCi/L, and one (1) area (South Reception Desk area S1-400) was found to be above 4.0 pCi/L. (Note: Room B was the blank sample.) When radon is detected above this level, the EPA and MDH recommend follow-up testing in the area. From February 25 – 28, 2020, follow-up testing was performed in the area using a continuous radon monitor (CRM). CRMs are recommended for follow-up testing because they give hour-by-hour results instead of just an overall average of the radon concentration during the test period. This can be helpful in assuring that radon gas concentrations in an area are below 4.0 pCi/L during occupied times. The CRM testing proved this to be true as the results for the follow-up testing found the overall average radon gas concentration for the entire 72-hour testing period to be 0.8 pCi/L, and the average radon gas concentration during the areas occupied hours, which are from approximately 8:00 AM – 5:00 PM Monday – Friday, to be 0.4 pCi/L.

Even though the average radon gas concentrations for the testing devices placed in Training Room S1-433 and Office S1-431 were below 4.0 pCi/L, because of the value of uncertainty used by the laboratory ( $\pm 1.0$  for the devices in these areas) and the possibility of the upper range of the radon gas concentration falling above 4.0 pCi/L, CRM follow-up testing was also performed in these areas from March 2 – 6, 2020. The CRM testing in Training Room S1-433 found the overall average radon gas concentration for the entire 48-hour testing period to be 1.6 pCi/L, and the average radon gas concentration during the rooms occupied hours, which are from approximately 8:00 AM – 5:00 PM Monday – Friday, to be 0.4 pCi/L. The CRM testing in Office S1-431 found the overall average radon gas concentration for the entire 48-hour testing period to be 1.5 pCi/L, and the average radon gas concentration during the rooms occupied hours, which are from approximately 8:00 AM – 5:00 PM Monday – Friday, to be 0.3 pCi/L.

The results of the CRM testing show that the ventilation systems in the Davis Center effectively maintain radon levels below the 4.0 pCi/L action level during the occupied hours of these areas.

Please refer to the attached Radonova radon testing report, CRM testing reports and sample diagram for further information concerning the radon testing, areas that were tested, and the radon levels that were found to be present. The information will be posted on the EH&S webpage available through the main MPS website and maintained on file by EH&S.

If you have any questions regarding this information, please feel free to contact me. Thank you,

Andrew Tinklenberg  
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Minneapolis Public Schools  
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Minneapolis MN 55411

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## RADON MONITORING REPORT

### Description of the measurement

The measurement was performed with a closed alpha-track detector (Radtrak<sup>2</sup>) following the quality guidance in EPA 402-R-95-012.

The detector(s) arrived to Radonova Laboratories AB **02/17/2020**.  
They were measured **02/22/2020**.

No person has signed the record card and verified that the instructions have been followed.

### Property data and address

MEASURE SITE ADDRESS

BUILDING ID

### Test results

DETECTOR	MEASUREMENT PERIOD	DESCRIPTION / LOCATION	RADON RESULT
177510-5	11/14/2019 – 02/13/2020	Davis Center, N1-053 Training	< 1.1 pCi/L
203153-2	11/14/2019 – 02/13/2020	Davis Center, S1-400 South Reception Desk	<b>5.6 ± 1.0 pCi/L</b>
227823-2	11/14/2019 – 02/13/2020	Davis Center, S1-449 Kitchen Office/Storage	1.6 ± 0.9 pCi/L
235861-2	11/14/2019 – 02/13/2020	Davis Center, S1-433 Training	3.4 ± 1.0 pCi/L
396118-2	11/14/2019 – 02/13/2020	Davis Center, S1-445 Serving Area	1.4 ± 0.9 pCi/L
396132-3	11/14/2019 – 02/13/2020	Davis Center, L1-309 Service Center Desk	1.1 ± 0.9 pCi/L
396156-2	11/14/2019 – 02/13/2020	Davis Center, S1-431 Suite	3.3 ± 1.0 pCi/L
396305-5	11/14/2019 – 02/13/2020	Davis Center, L1-303 Relaxation Room	1.4 ± 0.9 pCi/L
396416-0	11/14/2019 – 02/13/2020	Davis Center, N1-162 Office	1.7 ± 0.9 pCi/L
397477-1	11/14/2019 – 02/13/2020	Davis Center, N1-052 Training	1.6 ± 0.9 pCi/L

### Comment to the results

#### Trygve Rønnqvist (Electronically signed)

Signature Radonova Laboratories AB Laboratory Measurement Specialist

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### Description of the measurement

The measurement was performed with a closed alpha-track detector (Radtrak<sup>2</sup>) following the quality guidance in EPA 402-R-95-012.

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They were measured **02/22/2020**.

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### Property data and address

MEASURE SITE ADDRESS

BUILDING ID

DETECTOR	MEASUREMENT PERIOD	DESCRIPTION / LOCATION	RADON RESULT
397522-4	11/14/2019 – 02/13/2020	Davis Center, N1-012 Office	1.3 ± 0.9 pCi/L
429499-7	11/14/2019 – 02/13/2020	Davis Center, Room B	< 1.1 pCi/L
429528-3	11/14/2019 – 02/13/2020	Davis Center, N1-131 Office	1.4 ± 0.6 pCi/L
429588-7	11/14/2019 – 02/13/2020	Davis Center, N1-111 Meeting	< 0.6 pCi/L
429719-8	11/14/2019 – 02/13/2020	Davis Center, N1-051 Training	1.8 ± 0.9 pCi/L
429806-3	11/14/2019 – 02/13/2020	Davis Center, N1-000 North Reception Desk	< 0.7 pCi/L
430057-0	11/14/2019 – 02/13/2020	Davis Center, N1-169 Area	< 0.6 pCi/L
430147-9	11/14/2019 – 02/13/2020	Davis Center, N1-060 Clinic	2.9 ± 1.0 pCi/L
430646-0	11/14/2019 – 02/13/2020	Davis Center, S1-403 Board Room	< 1.0 pCi/L
440943-9	11/14/2019 – 02/13/2020	Davis Center, N1-101 Training	2.9 ± 1.0 pCi/L
441829-9	11/14/2019 – 02/13/2020	Davis Center, N1-095 IT Office	< 1.0 pCi/L

### Comment to the results

#### Trygve Rønnqvist (Electronically signed)

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## RADON MONITORING REPORT

### Description of the measurement

The measurement was performed with a closed alpha-track detector (Radtrak<sup>2</sup>) following the quality guidance in EPA 402-R-95-012.

The detector(s) arrived to Radonova Laboratories AB **02/17/2020**.  
They were measured **02/22/2020**.

No person has signed the record card and verified that the instructions have been followed.

### Property data and address

MEASURE SITE ADDRESS

BUILDING ID

DETECTOR	MEASUREMENT PERIOD	DESCRIPTION / LOCATION	RADON RESULT
441875-2	11/14/2019 – 02/13/2020	Davis Center, S1-435 Training	2.2 ± 0.9 pCi/L
442217-6	11/14/2019 – 02/13/2020	Davis Center, N1-014 Custodial Office	< 1.0 pCi/L

### Comment to the results

#### Tryggve Rönqvist (Electronically signed)

Signature Radonova Laboratories AB Laboratory Measurement Specialist

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## Measurement method: Closed alpha-track detector (Radtrak<sup>2</sup>®)

The radon measurement was performed with a closed alpha-track detector following the quality assurance guidance given in EPA 402-R-95-012. The detector container is manufactured from electrically conducting plastic. Through a small slit (filter), radon gas enters the detector. The track-detecting material (film) inside the detector is hit by alpha particles generated by the radon entering the container and the decay products formed from it. On the film, the alpha particles make small tracks which are enlarged through chemical etching and later counted in a microscope in order to determine the radon exposure.

Radonova Laboratories AB (P.O. Box 6522, SE-751 38 Uppsala, Sweden) is accredited (no. 1489) by SWEDAC to conduct radon-gas measurements using the closed alpha-track detector method. The analysis equipment is checked daily and the detectors are calibrated at regular intervals. NRPP Licenses: 107831 AL, 107830 RT

## Measured radon concentrations

For each detector, the measured value of the radon concentration is provided. For each value an uncertainty associated with the measurement to a 95% confidence level is also provided. For example a measurement result of  $4.0 \pm 0.5$  pCi/L means that the radon concentration is most likely contained in the range 3.5 - 4.5 pCi/L. If the start or end date of the measurement has not been provided, the radon concentration cannot be calculated. In such cases, the total exposure in pCi\*days/L will be reported. The reported measured values are related to the detectors as received by Radonova Laboratories AB. Detector deployment is not performed by Radonova Laboratories AB. Measurement information such as monitoring period (dates) and placement location is provided to Radonova Laboratories AB by the end user.

## Codes on non-reportable detectors

<b>DNR</b>	Not Reported – Detector Not Returned
<b>VTW</b>	Not Reported – Visibly Tampered With
<b>FBD</b>	Not Reported – Film Broken or Damaged
<b>LIL</b>	Not Reported – Lost in Lab
<b>DTO</b>	Not Reported – Detector Too Old

## Radon measurements in Multifamily Buildings, Schools and Large Buildings

The United States Environmental Protection Agency (EPA) recommends remediation if the results of one long-term test or the average of two short-term tests conducted in an occupied room are 4.0 pCi/L or higher. The average yearly residential indoor radon level in the US is estimated to be around 1.3 pCi/L. Long-term tests are conducted for more than 90 days. Short-term tests are conducted between 2 and 90 days and should be performed under closed building conditions.

If an initial short-term test result is less than 4 pCi/L, a follow-up measurement is probably not needed.

If an initial short-term test result is between 4 pCi/L and 8 pCi/L, a long-term or a short-term follow-up measurement is recommended.

If an initial short-term test result is greater than 8 pCi/L, a short term follow-up measurement is recommended in order to get a fast result.

### More information about radon measurements and mitigation can be found in the AARST and EPA publications:

- ANSI/AARST Protocol for Conducting Measurements of Radon and Radon-Decay Products in Schools and Large Buildings.
- ANSI/AARST Protocol for Conducting Radon and Radon Decay Product Measurements in Multifamily Buildings.
- ANSI/AARST Radon Mitigation Standards for Schools and Large Buildings.
- ANSI/AARST Radon Mitigation Standards for Multifamily Buildings.
- EPA Radon Measurements in Schools, EPA 402-R-92-014, July 1993.

For more information about the interpretation of your test results or about other radon related issues we suggest contacting your state radon office.

## Signature on the report

With the signature on the report, the person responsible for the radon analysis at Radonova Laboratories AB hereby certifies that the measurement procedures follows the guidance in accordance with EPA 402-R-95-012 and that the demands from SWEDAC are fulfilled.

## Certification no:



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## Radon Inspection Report

**Test Location:**

Davis Center - South Lobby S1-400  
1250 West Broadway Ave.  
Minneapolis, MN 55411

**Test For:****Inspected By:**

1225 N. 7th Street  
Minneapolis, MN 55411

### Test Result: Pass

Overall Average:

**0.8 pCi/l**

**Test Device Details:**

Serial Number: 246216011  
Model Number: 1030  
Last Calibration: 09/11/2019  
Next Calibration: 09/11/2020  
Cal-Factors: 2.61,2.70,2.57,2.68,2.71,2.62  
Motion Error: Yes

**Test Site Condition:****Test Summary:**

<u>CRM Location:</u>	<u>Start:</u>	<u>Stop:</u>	<u>Interval:</u>	<u>Duration:</u>
	02/25/2020	02/28/2020	1 hr	72 hr
	10:50 AM	10:50 AM		
	<u>Min:</u>	<u>Max:</u>	<u>Average:</u>	<u>Measurement Units:</u>
Radon Concentration:	0.0	3.0	0.8	pCi/l
Temperature	68.5	75.2	72.3	F
Humidity	5	13	9	%
Pressure	29.36	29.71	29.54	inHg

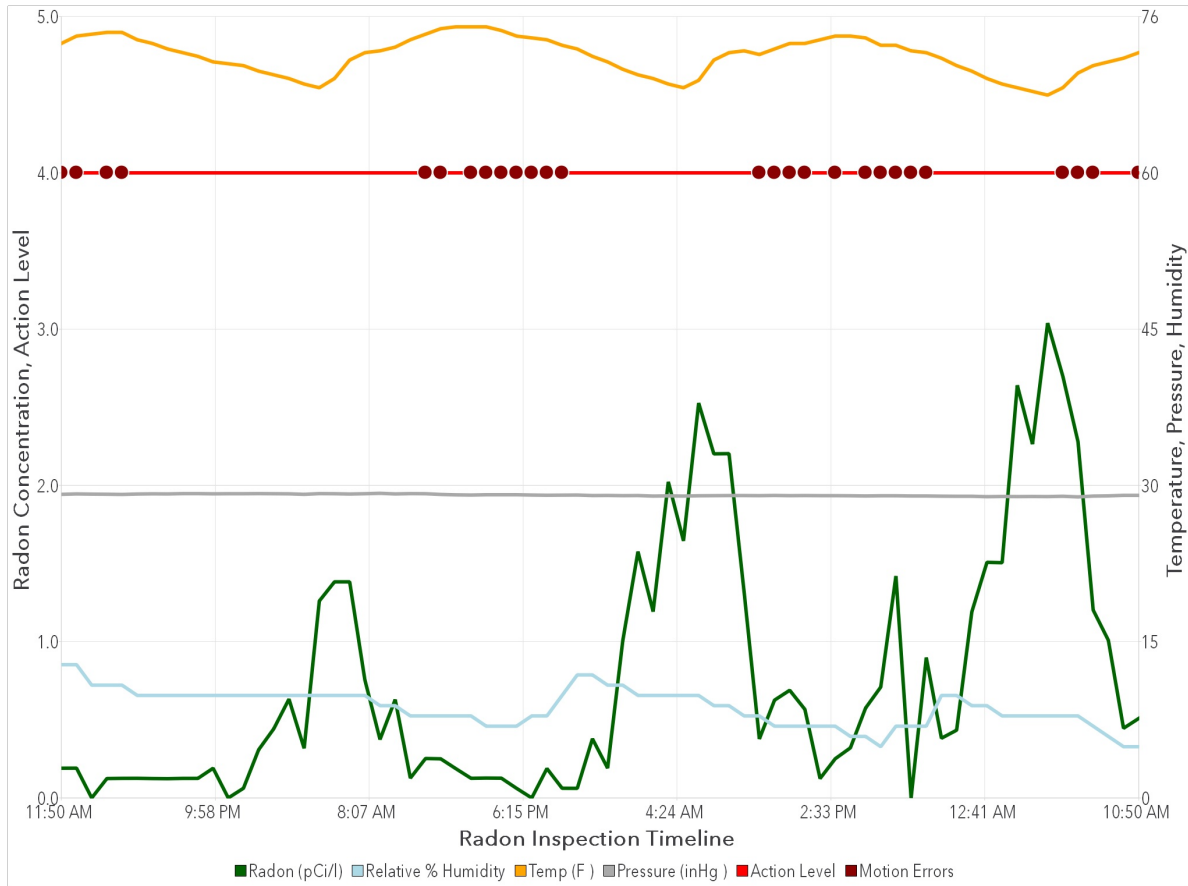
**Comments:**

**Lic/Cert Signature**

**Inspection Report Date:** 02/28/2020



## Radon Inspection Chart



**Test Result: Pass**

**Test Location:** 1250 West Broadway Ave. Minneapolis, MN 55411

**Inspection Report Date:** 02/28/2020





## Test Table

Date/Time	Radon(pCi/l)	Temp(F)	Pres(inHg)	Humidity(%)	Flags
02/25/20 11:50 AM	0.2	73.6	29.61	13	M
02/25/20 12:50 PM	0.2	74.3	29.65	13	M
02/25/20 01:50 PM	0.0	74.5	29.63	11	-
02/25/20 02:50 PM	0.1	74.7	29.62	11	M
02/25/20 03:50 PM	0.1	74.7	29.60	11	M
02/25/20 04:50 PM	0.1	73.9	29.64	10	-
02/25/20 05:50 PM	0.1	73.6	29.66	10	-
02/25/20 06:50 PM	0.1	73.0	29.65	10	-
02/25/20 07:50 PM	0.1	72.7	29.68	10	-
02/25/20 08:50 PM	0.1	72.3	29.68	10	-
02/25/20 09:50 PM	0.2	71.8	29.66	10	-
02/25/20 10:50 PM	0.0	71.6	29.67	10	-
02/25/20 11:50 PM	0.1	71.4	29.67	10	-
02/26/20 12:50 AM	0.3	70.9	29.68	10	-
02/26/20 01:50 AM	0.4	70.5	29.67	10	-
02/26/20 02:50 AM	0.6	70.2	29.66	10	-
02/26/20 03:50 AM	0.3	69.6	29.61	10	-
02/26/20 04:50 AM	1.3	69.3	29.68	10	-
02/26/20 05:50 AM	1.4	70.2	29.67	10	-
02/26/20 06:50 AM	1.4	72.0	29.64	10	-
02/26/20 07:50 AM	0.8	72.7	29.67	10	-
02/26/20 08:50 AM	0.4	72.9	29.71	9	-
02/26/20 09:50 AM	0.6	73.2	29.65	9	-
02/26/20 10:50 AM	0.1	73.9	29.68	8	-
02/26/20 11:50 AM	0.3	74.5	29.67	8	M
02/26/20 12:50 PM	0.3	75.0	29.60	8	M
02/26/20 01:50 PM	0.2	75.2	29.56	8	-
02/26/20 02:50 PM	0.1	75.2	29.54	8	M
02/26/20 03:50 PM	0.1	75.2	29.57	7	M
02/26/20 04:50 PM	0.1	74.8	29.57	7	M
02/26/20 05:50 PM	0.1	74.3	29.57	7	M
02/26/20 06:50 PM	0.0	74.1	29.54	8	M
02/26/20 07:50 PM	0.2	73.9	29.52	8	M
02/26/20 08:50 PM	0.1	73.4	29.53	10	M
02/26/20 09:50 PM	0.1	73.0	29.54	12	-
02/26/20 10:50 PM	0.4	72.3	29.49	12	-
02/26/20 11:50 PM	0.2	71.8	29.50	11	-
02/27/20 12:50 AM	1.0	71.1	29.48	11	-
02/27/20 01:50 AM	1.6	70.5	29.49	10	-
02/27/20 02:50 AM	1.2	70.2	29.44	10	-
02/27/20 03:50 AM	2.0	69.6	29.46	10	-
02/27/20 04:50 AM	1.6	69.3	29.44	10	-
02/27/20 05:50 AM	2.5	70.0	29.47	10	-
02/27/20 06:50 AM	2.2	72.0	29.48	9	-

## Test Result: Pass

**Test Location:** 1250 West Broadway Ave. Minneapolis, MN 55411

**Inspection Report Date:** 02/28/2020



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## Test Table

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Date/Time	Radon(pCi/l)	Temp(F)	Pres(inHg)	Humidity(%)	Flags
02/27/20 07:50 AM	2.2	72.7	29.49	9	-
02/27/20 08:50 AM	1.3	72.9	29.49	8	-
02/27/20 09:50 AM	0.4	72.5	29.48	8	M
02/27/20 10:50 AM	0.6	73.0	29.50	7	M
02/27/20 11:50 AM	0.7	73.6	29.48	7	M
02/27/20 12:50 PM	0.6	73.6	29.49	7	M
02/27/20 01:50 PM	0.1	73.9	29.48	7	-
02/27/20 02:50 PM	0.3	74.3	29.48	7	M
02/27/20 03:50 PM	0.3	74.3	29.47	6	-
02/27/20 04:50 PM	0.6	74.1	29.45	6	M
02/27/20 05:50 PM	0.7	73.4	29.47	5	M
02/27/20 06:50 PM	1.4	73.4	29.47	7	M
02/27/20 07:50 PM	0.0	72.9	29.45	7	M
02/27/20 08:50 PM	0.9	72.7	29.45	7	M
02/27/20 09:50 PM	0.4	72.1	29.43	10	-
02/27/20 10:50 PM	0.4	71.4	29.42	10	-
02/27/20 11:50 PM	1.2	70.9	29.42	9	-
02/28/20 12:50 AM	1.5	70.2	29.38	9	-
02/28/20 01:50 AM	1.5	69.6	29.40	8	-
02/28/20 02:50 AM	2.6	69.3	29.39	8	-
02/28/20 03:50 AM	2.3	68.9	29.40	8	-
02/28/20 04:50 AM	3.0	68.5	29.39	8	-
02/28/20 05:50 AM	2.7	69.3	29.42	8	M
02/28/20 06:50 AM	2.3	70.7	29.36	8	M
02/28/20 07:50 AM	1.2	71.4	29.44	7	M
02/28/20 08:50 AM	1.0	71.8	29.46	6	-
02/28/20 09:50 AM	0.4	72.1	29.51	5	-
02/28/20 10:50 AM	0.5	72.7	29.51	5	M

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## Test Result: Pass

**Test Location:** 1250 West Broadway Ave. Minneapolis, MN 55411

**Inspection Report Date:** 02/28/2020

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## Radon Test Information

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### Minnesota Notice to Clients

For more information on radon, please contact the Minnesota Department of Health at 651-201-4601 or [health.indoorair@state.mn.us](mailto:health.indoorair@state.mn.us) or visit their website at <http://www.health.state.mn.us/divs/eh/indoorair/radon/index.html>.

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**Test Result: Pass**

**Test Location:** 1250 West Broadway Ave. Minneapolis, MN 55411

**Inspection Report Date:** 02/28/2020

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## Radon Inspection Report

**Test Location:**

Davis Center - Training Room S1-433  
1250 West Broadway  
Minneapolis, MN 55411

**Test For:****Inspected By:**

1225 N. 7th Street  
Minneapolis, MN 55411

### Test Result: Pass

Overall Average:

**1.6 pCi/l**

**Test Device Details:**

Serial Number: 246216011  
Model Number: 1030  
Last Calibration: 09/11/2019  
Next Calibration: 09/11/2020  
Cal-Factors: 2.61,2.70,2.57,2.68,2.71,2.62  
Motion Error: Yes

**Test Site Condition:****Test Summary:**

<u>CRM Location:</u>	<u>Start:</u> 03/02/2020 07:20 AM	<u>Stop:</u> 03/04/2020 07:20 AM	<u>Interval:</u> 1 hr	<u>Duration:</u> 48 hr
	<u>Min:</u>	<u>Max:</u>	<u>Average:</u>	<u>Measurement Units:</u>
Radon Concentration:	0.1	8.1	1.6	pCi/l
Temperature	69.3	77.5	73.6	F
Humidity	10	16	13	%
Pressure	28.77	29.29	29.01	inHg

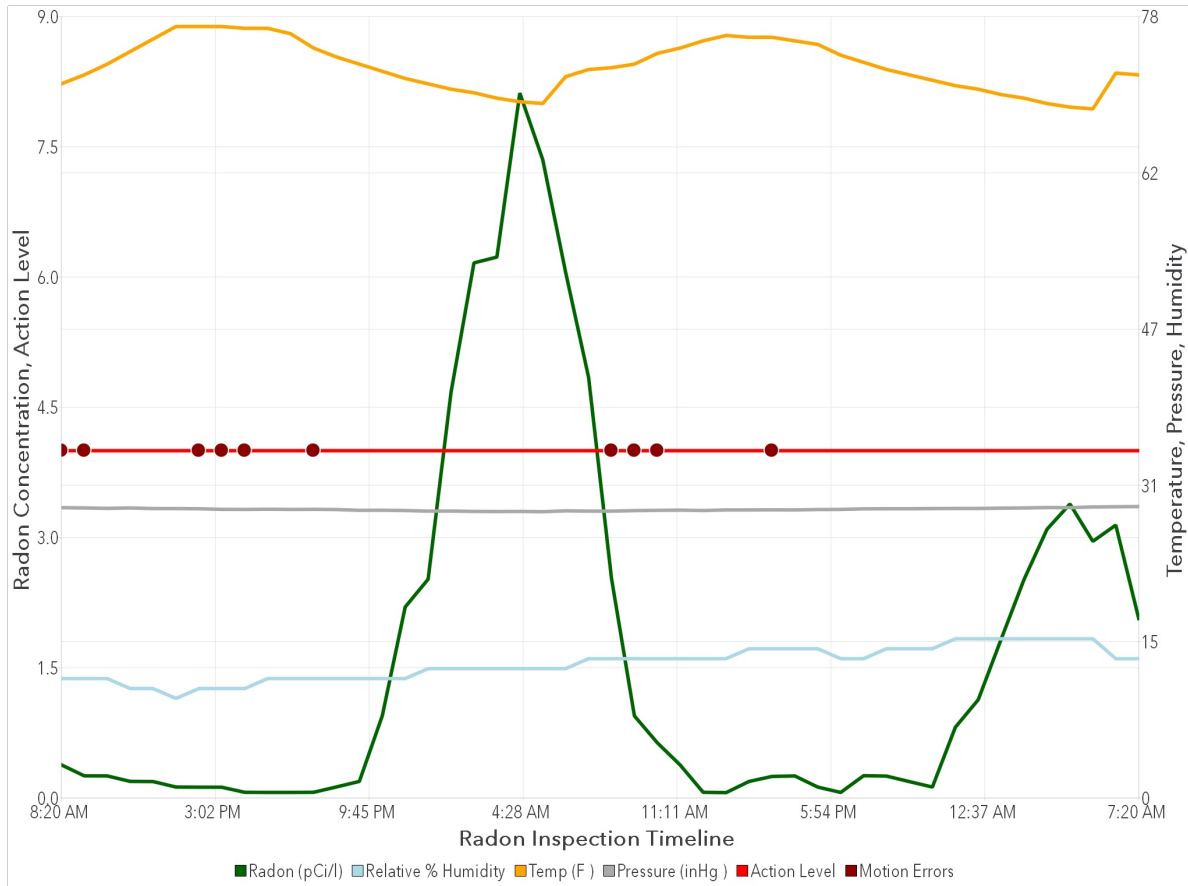
**Comments:**

**Lic/Cert Signature**

**Inspection Report Date:** 03/09/2020



## Radon Inspection Chart



**Test Result: Pass**

**Test Location:** 1250 West Broadway Minneapolis, MN 55411

**Inspection Report Date:** 03/09/2020



## Test Table

Date/Time	Radon(pCi/l)	Temp(F)	Pres(inHg)	Humidity(%)	Flags
03/02/20 08:20 AM	0.4	71.8	29.18	12	M
03/02/20 09:20 AM	0.3	72.7	29.15	12	M
03/02/20 10:20 AM	0.3	73.8	29.11	12	-
03/02/20 11:20 AM	0.2	75.0	29.15	11	-
03/02/20 12:20 PM	0.2	76.3	29.09	11	-
03/02/20 01:20 PM	0.1	77.5	29.09	10	-
03/02/20 02:20 PM	0.1	77.5	29.07	11	M
03/02/20 03:20 PM	0.1	77.5	29.01	11	M
03/02/20 04:20 PM	0.1	77.4	29.00	11	M
03/02/20 05:20 PM	0.1	77.4	29.02	12	-
03/02/20 06:20 PM	0.1	76.8	29.00	12	-
03/02/20 07:20 PM	0.1	75.4	29.01	12	M
03/02/20 08:20 PM	0.1	74.5	28.99	12	-
03/02/20 09:20 PM	0.2	73.8	28.91	12	-
03/02/20 10:20 PM	0.9	73.0	28.92	12	-
03/02/20 11:20 PM	2.2	72.3	28.89	12	-
03/03/20 12:20 AM	2.5	71.8	28.83	13	-
03/03/20 01:20 AM	4.7	71.2	28.84	13	-
03/03/20 02:20 AM	6.2	70.9	28.80	13	-
03/03/20 03:20 AM	6.2	70.3	28.79	13	-
03/03/20 04:20 AM	8.1	70.0	28.80	13	-
03/03/20 05:20 AM	7.4	69.8	28.77	13	-
03/03/20 06:20 AM	6.1	72.5	28.86	13	-
03/03/20 07:20 AM	4.8	73.2	28.83	14	-
03/03/20 08:20 AM	2.5	73.4	28.83	14	M
03/03/20 09:20 AM	0.9	73.8	28.88	14	M
03/03/20 10:20 AM	0.6	74.8	28.91	14	M
03/03/20 11:20 AM	0.4	75.4	28.93	14	-
03/03/20 12:20 PM	0.1	76.1	28.89	14	-
03/03/20 01:20 PM	0.1	76.6	28.95	14	-
03/03/20 02:20 PM	0.2	76.5	28.95	15	-
03/03/20 03:20 PM	0.2	76.5	28.96	15	M
03/03/20 04:20 PM	0.3	76.1	28.95	15	-
03/03/20 05:20 PM	0.1	75.7	28.99	15	-
03/03/20 06:20 PM	0.1	74.7	29.00	14	-
03/03/20 07:20 PM	0.3	73.9	29.06	14	-
03/03/20 08:20 PM	0.3	73.2	29.07	15	-
03/03/20 09:20 PM	0.2	72.7	29.07	15	-
03/03/20 10:20 PM	0.1	72.1	29.09	15	-
03/03/20 11:20 PM	0.8	71.6	29.10	16	-
03/04/20 12:20 AM	1.1	71.2	29.10	16	-
03/04/20 01:20 AM	1.8	70.7	29.13	16	-
03/04/20 02:20 AM	2.5	70.3	29.15	16	-
03/04/20 03:20 AM	3.1	69.8	29.19	16	-

## Test Result: Pass

**Test Location:** 1250 West Broadway Minneapolis, MN 55411

**Inspection Report Date:** 03/09/2020



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### Test Table

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<u>Date/Time</u>	<u>Radon(pCi/l)</u>	<u>Temp(F)</u>	<u>Pres(inHg)</u>	<u>Humidity(%)</u>	<u>Flags</u>
03/04/20 04:20 AM	3.4	69.4	29.18	16	-
03/04/20 05:20 AM	3.0	69.3	29.25	16	-
03/04/20 06:20 AM	3.1	72.9	29.27	14	-
03/04/20 07:20 AM	2.1	72.7	29.29	14	-

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**Test Result: Pass**

**Test Location:** 1250 West Broadway Minneapolis, MN 55411

**Inspection Report Date:** 03/09/2020

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## Radon Test Information

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### Minnesota Notice to Clients

For more information on radon, please contact the Minnesota Department of Health at 651-201-4601 or [health.indoorair@state.mn.us](mailto:health.indoorair@state.mn.us) or visit their website at <http://www.health.state.mn.us/divs/eh/indoorair/radon/index.html>.

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**Test Result: Pass**

**Test Location:** 1250 West Broadway Minneapolis, MN 55411

**Inspection Report Date:** 03/09/2020

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## Radon Inspection Report

**Test Location:**

Davis Center - Office S1-431  
1250 W. Broadway Ave.  
Minneapolis, MN 55411

**Test For:****Inspected By:**

1225 N. 7th Street  
Minneapolis, MN 55411

### Test Result: Pass

Overall Average:

**1.5 pCi/l**

**Test Device Details:**

Serial Number: 246216011  
Model Number: 1030  
Last Calibration: 09/11/2019  
Next Calibration: 09/11/2020  
Cal-Factors: 2.61,2.70,2.57,2.68,2.71,2.62  
Motion Error: No

**Test Site Condition:****Test Summary:**

<u>CRM Location:</u>	<u>Start:</u> 03/04/2020 07:31 AM	<u>Stop:</u> 03/06/2020 07:31 AM	<u>Interval:</u> 1 hr	<u>Duration:</u> 48 hr
	<u>Min:</u>	<u>Max:</u>	<u>Average:</u>	<u>Measurement Units:</u>
Radon Concentration:	0.0	7.1	1.5	pCi/l
Temperature	67.6	74.8	71.1	F
Humidity	10	18	14	%
Pressure	29.04	29.81	29.34	inHg

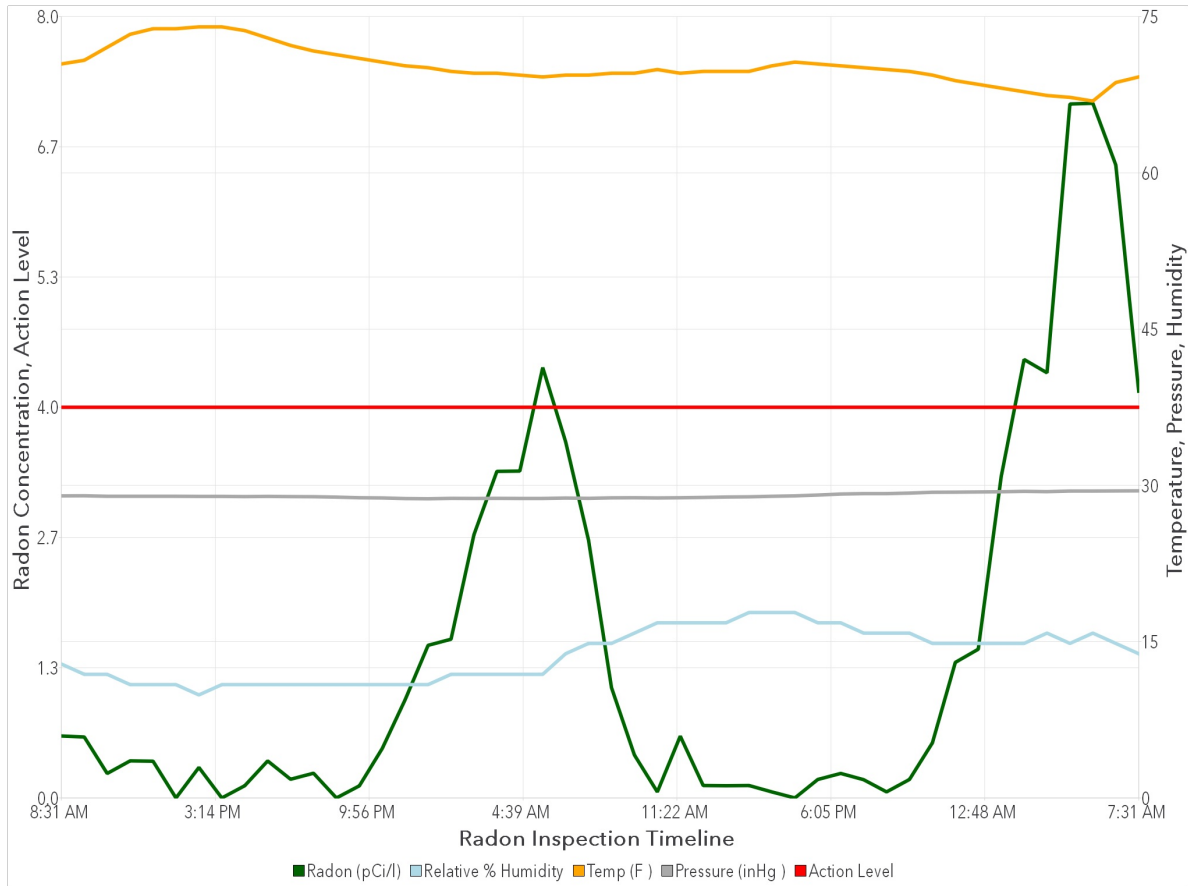
**Comments:**

Lic/Cert Signature

Inspection Report Date: 03/09/2020



## Radon Inspection Chart



**Test Result: Pass**

**Test Location:** 1250 W. Broadway Ave. Minneapolis, MN 55411

**Inspection Report Date:** 03/09/2020



## Test Table

Date/Time	Radon(pCi/l)	Temp(F)	Pres(inHg)	Humidity(%)	Flags
03/04/20 08:31 AM	0.6	71.2	29.32	13	-
03/04/20 09:31 AM	0.6	71.6	29.33	12	-
03/04/20 10:31 AM	0.3	72.9	29.28	12	-
03/04/20 11:31 AM	0.4	74.1	29.28	11	-
03/04/20 12:31 PM	0.4	74.7	29.28	11	-
03/04/20 01:31 PM	0.0	74.7	29.28	11	-
03/04/20 02:31 PM	0.3	74.8	29.27	10	-
03/04/20 03:31 PM	0.0	74.8	29.27	11	-
03/04/20 04:31 PM	0.1	74.5	29.25	11	-
03/04/20 05:31 PM	0.4	73.8	29.27	11	-
03/04/20 06:31 PM	0.2	73.0	29.25	11	-
03/04/20 07:31 PM	0.3	72.5	29.24	11	-
03/04/20 08:31 PM	0.0	72.1	29.20	11	-
03/04/20 09:31 PM	0.1	71.8	29.14	11	-
03/04/20 10:31 PM	0.5	71.4	29.12	11	-
03/04/20 11:31 PM	1.0	71.1	29.06	11	-
03/05/20 12:31 AM	1.6	70.9	29.04	11	-
03/05/20 01:31 AM	1.6	70.5	29.08	12	-
03/05/20 02:31 AM	2.7	70.3	29.07	12	-
03/05/20 03:31 AM	3.3	70.3	29.08	12	-
03/05/20 04:31 AM	3.3	70.2	29.07	12	-
03/05/20 05:31 AM	4.4	70.0	29.07	12	-
03/05/20 06:31 AM	3.6	70.2	29.11	14	-
03/05/20 07:31 AM	2.6	70.2	29.08	15	-
03/05/20 08:31 AM	1.1	70.3	29.13	15	-
03/05/20 09:31 AM	0.4	70.3	29.14	16	-
03/05/20 10:31 AM	0.1	70.7	29.12	17	-
03/05/20 11:31 AM	0.6	70.3	29.14	17	-
03/05/20 12:31 PM	0.1	70.5	29.17	17	-
03/05/20 01:31 PM	0.1	70.5	29.21	17	-
03/05/20 02:31 PM	0.1	70.5	29.23	18	-
03/05/20 03:31 PM	0.1	71.1	29.28	18	-
03/05/20 04:31 PM	0.0	71.4	29.32	18	-
03/05/20 05:31 PM	0.2	71.2	29.40	17	-
03/05/20 06:31 PM	0.3	71.1	29.50	17	-
03/05/20 07:31 PM	0.2	70.9	29.54	16	-
03/05/20 08:31 PM	0.1	70.7	29.54	16	-
03/05/20 09:31 PM	0.2	70.5	29.59	16	-
03/05/20 10:31 PM	0.6	70.2	29.67	15	-
03/05/20 11:31 PM	1.4	69.6	29.68	15	-
03/06/20 12:31 AM	1.5	69.3	29.70	15	-
03/06/20 01:31 AM	3.3	68.9	29.72	15	-
03/06/20 02:31 AM	4.5	68.5	29.76	15	-
03/06/20 03:31 AM	4.4	68.2	29.73	16	-

## Test Result: Pass

**Test Location:** 1250 W. Broadway Ave. Minneapolis, MN 55411

**Inspection Report Date:** 03/09/2020



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## Test Table

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<u>Date/Time</u>	<u>Radon(pCi/l)</u>	<u>Temp(F)</u>	<u>Pres(inHg)</u>	<u>Humidity(%)</u>	<u>Flags</u>
03/06/20 04:31 AM	7.1	68.0	29.79	15	-
03/06/20 05:31 AM	7.1	67.6	29.79	16	-
03/06/20 06:31 AM	6.5	69.4	29.80	15	-
03/06/20 07:31 AM	4.2	70.0	29.81	14	-

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## Test Result: Pass

**Test Location:** 1250 W. Broadway Ave. Minneapolis, MN 55411

**Inspection Report Date:** 03/09/2020

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## Radon Test Information

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**Test Result: Pass**

**Test Location:** 1250 W. Broadway Ave. Minneapolis, MN 55411

**Inspection Report Date:** 03/09/2020

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